

COPY 5 OF 6

July 9, 1956

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TO: [REDACTED]

cc: [REDACTED]

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In response to your request made at our recent meeting in Washington, we have made a review of the required modifications of the P-37A so that it could be used in the KC-135 in lieu of the J57-P-31W. It should be realized by all concerned that this is a quick review and not a detailed conversion list. There might be some plumbing changes which would require an installation check by the Boeing Airplane Company. I should like to emphasize that the net result is a B engine and not a G engine, and judging by the problems we have encountered in shifting earlier than originally anticipated from P-31W's to P-43W's in the tanker, I would anticipate that any proposal to use modified P-37A's would run into resistance unless the necessity for such a change were understood by the top personnel involved in both the Air Force and Boeing Airplane Company.

The following ball-park figures have been prepared and do not include any costs for handling, disassembly, inspection, reassembly and test:

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1. Reoperate inlet case to provide water inlet injection provisions	Labor and Material	[REDACTED]
2. Add Water Regulator	Material	
3. Add Fighter Oil Tank	Material	
4. Add 5th through 8th stators and reoperate 5th through 9th blades and add discs for water tolerant compressor	Labor and Material	
5. Reoperate Fuel Control	Labor and Material	
6. Reoperate Rear Low Compressor Case for Fighter Oil Tank	Labor	
7. Reconvert P-37A Drives back to P-37	No Charge If -37 Drives Available	25X1
8. Add New Breather Lines from Diffuser to Inlet Case	Material	[REDACTED]
9. Add Sundstrand Drive Bracket and Tube Assembly if Engine is not -37A	Material	
	TOTAL	

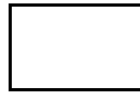
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instructions apply.

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I have enclosed additional copies for your distribution to any others in the Air Force that you feel may be concerned.

Please keep us posted as to your thinking on this matter.

We have been encouraged by the appearance of the first couple of C engines which we have inspected after 100 hours and hope to be able to extend this time.



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